10/5882⁹⁰ IAP11 Rec'd PCT/PTO 04 AUG 2006

SEQUENCE LISTING

(110)	Yamasa Yagish Tonaki	aki, Satos nita, Naok i, Daijuro Yukihiro	hi o					
<120>	NERVE	CELL DIFF	'ERENTIATION	INDUCER				
<130>	L7350.0009							
<150> <151>		PCT/JP2005/002106 February 4, 2005						
<150> <151>	JP2004-31320 2004-02-06							
<160>	7							
<170>	> PatentIn version 3.2							
<210><211><212><213>	<211> 3374							
<400> gccctti	1 tctt at	gagcatgc	ctgtgttggg	ttgacagtga	gggtaataat	gacttgttgg	60	
ttgatt	gtag at	atagggct	ctcccttgca	aggtaattag	gctccttaaa	ttacctgtaa	120	
gatttt	cttg co	cacagcatc	cattctggtt	aggctggtga	tcttctgagt	agtgatagat	180	
tggttg	gtgg tg	gaggtttac	aggtgttccc	ttctcttact	cctggtgttg	gctacaatca	240	
ggtggc	gtct ag	gagcagcat	gggacaggtg	ggtaagggga	gtcttctcat	tatgcagaag	300	
tgatca	actt aa	aatctctgt	cagatctacc	tttatgtagc	ccggcagtcg	cgcggattga	360	
gcgggc	tege gg	gegetgggt	tcctggtctc	cgggccaggg	caatgttccg	cacggcagtg	420	
atgatg	gegg co	cagcctggc	gctgaccggg	gctgtggtgg	ctcacgccta	ctacctcaaa	480	
caccag	ttct ac	eccactgt	ggtgtacctg	accaagtcca	gccccagcat	ggcagtcctg	540	
tacatc	cagg co	ctttgtcct	tgtcttcctt	ctgggcaagg	tgatgggcaa	ggtgttcttt	600	
gggcaa	ctga gg	ggcagcaga	gatggagcac	cttctggaac	gttcctggta	cgccgtcaca	660	
gagact	tgtc to	ggccttcac	cgtttttcgg	gatgacttca	gcccccgctt	tgttgcactc	720	
ttcact	cttc tt	ctcttcct	caaatgtttc	cactggctgg	ctgaggaccg	tgtggacttt	780	
atggaa	cgca go	cccaacat	ctcctggctc	tttcactgcc	gcattgtctc	tcttatgttc	840	
ctcctg	ggca to	cctggactt	cctcttcgtc	agccacgcct	atcacagcat	cctgacccgt	900	
ggggcc	tctg to	gcagctggt	gtttggcttt	gagtatgcca	tcctgatgac	gatggtgctc	960	
accato	ttca to	raantatot	actacactec	atagaectec	acactoacaa	cccctaggac	1020	

1080 aacaaggctg tgtacatgct ctacacagag ctgtttacag gcttcatcaa ggttctgctg tacatggeet teatgaceat catgateaag gtgeacacet teccaetett tgecateegg 1140 cccatgtacc tggccatgag acagttcaag aaagctgtga cagatgccat catgtctcgc 1200 1260 cgagccatcc gcaacatgaa caccctgtat ccagatgcca ccccagagga gctccaggca 1320 atggacaatg tetgcateat etgeegagaa gagatggtga etggtgeeaa gagaetgeee 1380 tgcaaccaca ttttccatac cagctgcctg cgctcctggt tccagcggca gcagacctgc cccacctgcc gtatggatgt ccttcgtgca tcgctgccag cgcagtcacc accaccccg 1440 gageetgegg ateaggggee acceetgee ecceaecee caccactett geeteageee 1500 cccaacttcc cccagggcct cctgcctcct tttcctccag gcatgttccc actgtggccc 1560 cccatgggcc cctttccacc tgtcccgcct cccccagct caggagaggc tgtggctcct 1620 ccatccacca gtgcagcagc cctttctcgg cccagtggag cagctacaac cacagctgct 1680 1740 ggcaccagtg ctactgctgc ttctgccaca gcatctggcc caggctctgg ctctgcccca 1800 gaggetggee etgeecetgg ttteccette ceteeteect ggatgggtat geecetgeet 1860 ccaccetttg cettecece aatgeetgtg ceeeetgegg getttgetgg getgaeeeca gaggagctac gagctctgga gggccatgag cggcagcacc tggaggcccg gctgcagagc 1920 ctgcgtaaca tccacact gctggacgcc gccatgctgc agatcaacca gtacctcacc 1980 2040 gtgctggcct ccttggggcc cccccggcct gccacttcag tcaactccac tgaggggact 2100 gccactacag ttgttgctgc tgcctcctcc accagcatcc ctagctcaga ggccacgacc ccaaccccag gagcctcccc accagcccct gaaatggaaa ggcctccagc tcctgagtca 2160 2220 gtgggcacag aggagatgcc tgaggatgga gagcccgatg cagcagagct ccgccggcgc 2280 cgcctgcaga agctggagtc tcctgttgcc cactgacact gccccagccc agccccagcc tetgetettt tgageagece tegetggaae atgteetgee accaagtgee ageteeetet 2340 2400 ctgtctgcac cagggagtag tacccccagc tctgagaaag aggcggcatc ccctaggcca agtggaaaga ggctggggtt cccatttgac tccagtccca ggcagccatg gggatctcgg 2460 2520 gtcagttcca gccttcctct ccaactcttc agccctgtgt tctgctgggg ccatgaaggc agaaggttta gcctctgaga agccctcttc ttcccccacc cctttccagg agaaggggct 2580 gcccctccaa gccctacttg tatgtgcgga gtcacactgc agtgccgaac agtattagct 2640 cccgttccca agtgtggact ccagaggggc tggaggcaag ctatgaactt gctcgctggc 2700 ccacccctaa gactggtacc catttccttt tcttaccctg atctccccag aagcctcttg 2760 tggtggtggc tgtgccccct atgccctgtg gcatttctgc gtcttactgg caaccacaca 2820

actcagggaa	aggaatgcct	gggagtgggg	gtgcaggcgg	gcagcactga	gggaccctgc	2880
cccgcccctc	ccccaggcc	cctttcccct	gcagcttctc	aagtgagact	gacctgtctc	2940
acccagcagc	cactgcccag	ccgcactcca	ggcaagggcc	agtgcgcctg	ctcctgacca	3000
ctgcaatccc	agcgcccaag	gaaggccact	tctcaactgg	cagaacttct	gaagtttaga	3060
attggaatta	cttccttact	agtgtctttt	ggcttaaatt	ttgtcttttg	aagttgaatg	3120
cttaatcccg	ggaaagagga	acaggagtgc	cagactcctg	gtctttccag	tttagaaaag	3180
gctctgtgcc	aaggagggac	cacaggagct	gggacctgcc	tgcccctgtc	ctttcccctt	3240
ggttttgtgt	tacaagagtt	gttggagaca	gtttcagatg	attatttaat	ttgtaaatat	3300
tgtacaaatt	ttaatagctt	aaattgtata	tacagccaaa	taaaaacttg	cattaacaaa	3360
aaaaaaaaa	aaaa					3374

<210> 2

<211> 3388

<212> DNA

<213> Mus musculus

<400> 2 gtcgtagcta tccctggaat gaggcgctta cacattttat ttctttcatg cctgacataa 60 agtetggece ttgetegete etgeceeeeg tecaaatgge teggeeegeg gaacgeeeea 120 tettecagge acattgagag ceggagtett ggaggagttt agggtggtga ttetacaacg 180 gegactagea agtggeggge tteageeett teeegetget eteetggteg egaceaeaeg 240 300 teacagetet egetegttee ggttgetege geacgggece cagaagegea ggcgagateg gagegegeaa agagaaettg gtaeggteea eteegeegeg eeeegegeeg eeggaagtga 360 ggtgtcttac ccccgaagtt ccggttcgca gggggtgggg agtgttgtta accggagcgg 420 ctgccgcagt cgcggtgatt gagcgtgctc gcggcgctgg gctcctggtc tctgggccag 480 ggcgatgttc cgcaccgcag tgatgatggc ggccagcctg gcgctaaccg gggcagtggt 540 ggctcatgcc tactacctca aacaccagtt ctaccccact gtagtgtatt tgaccaagtc 600 cagecceage atggeagtee tgtacateca ggeetttgte ettgtettee tettgggeaa 660 ggtgatgggc aaggtgttct tegggcaget gagggcagca gagatggagc accttetgga 720 acggtcctgg tacgctgtta ctgagacttg tttggccttc accgtttttc gggatgactt 780 cagocotogo tttgtggcgc totttacgct gctcctcttc ctcaaatgtt tccattggtt 840 900 ggctgaagac cgtgtggact ttatggaacg cagccccaac atctcctggc tcttccactg ccgcatcgtc tctctcatgt ttctcctggg tatcctggac ttcctcttcg tcagccacgc 960 ttatcacage atcetgacce gtggggette tgtgeagetg gtatttgget ttgagtacge 1020

1080 cattctgatg accatggtgc ttaccatctt catcaagtat gtgctgcact ccgtggacct ccagagcgag aacccctggg acaacaaggc tgtatacatg ctctacacgg agctgtttac 1140 aggetteate aaggteetge tgtacatgge etteatgace ateatgatea aggtgeaeae 1200 atteceacte titigecatta ggeccatgta cetggecatg aggeagtica agaaagetgt 1260 1320 gacagatgcc atcatgtctc gccgagccat ccgcaacatg aacacactgt acccagatgc cacccccgag gagctccagg cagtggataa tgtctgtatc atctgcagag aagaaatggt 1380 1440 gactggtgct aagagattgc cttgcaacca catctttcac acgagctgcc tgcgctcctg gttccagaga cagcagacct gcccgacatg ccgcatggat gtcctgcggg catcgttgcc 1500 ageceagtea ceaceacete etgageetge tgaceaagga ceaceceeg ecceteatee 1560 ccaaccgctg ctgccacagc cccctaattt cccccagggc ctcctgcctc cttttcctcc 1620 aggeatgtte ceactgtgge ceccaatggg teeettteea eetgteeege eteeeceaag 1680 ctcaggagag gctgcggccc ctccacccac cagtacagcc gtttctcggc ctagtggagc 1740 agccaccacc acagetgetg geaccagtae ttetgeecca geacetgggt etgtacetgg 1800 cccagagget ggtcctgccc ccggcttccc tttccctcct ccttggatgg gtatgcctct 1860 gcctccacct tttgccttcc ccccaatgcc tgtgccccct gcgggctttg ctggcctaac 1920 cccagaggag ctgcgagcac tagagggcca tgagcggcag cacctggagg cccggctgca 1980 gagtetgege aacatacaca cactactgga tgetgecatg etteaaatca accagtacet 2040 cactgtgctg gcttccctgg ggccccccag gccagctact tcagtgaacc ccactgaaga 2100 gactgcctct acagtggtat ctgctgcccc ttccaccagc gcccccagct ctgaggctcc 2160 taccccgtct ccgggagctt ccccaccaat tcctgaagca gaaaagcctc ctgctcctga 2220 gtcagtgggc attgtagagg agcttcccga ggacggagag cctgatgctg cagaactccg 2280 ceggegtege etgeagaage tggagteece tgttgeecac tgacactgee cagacetgge 2340 cctgttctct tgagtggccc tcactggaac acgtcctgcc atcaagtgcc agctccctct 2400 ctgcttgcac cagggagtaa tagccccagt tgagaaagac ttggcaggat ctctgaggat 2460 2520 caaggagaag tgtctgggct tccagttgat ccatccccag tgcccctggc agccatggag 2580 atactggtca gctctaacct ccctccactt ctgccatgtt caactggggc cttcaaagta gaagetgaat etetggtaag cettetette catgetttet gggagaaggt gaageeeete 2640 2700 caagecetge ttgtgagtat gggaceatge tgeagtgeeg aacagtatta gettetgtte 2760 ccaagtgtgg aaacccagag gggctgaaga cagaccagga ccttgcccca ccctcctgcc aagactggta ccagtctctt tcctctagcc cagtcttccc agaacccctt tgtgatggtg 2820 2880 gctgtgcccc ccgaagccct gtggcatttc catgtcttac tggcaaccac acaactcagg

gaaagga	gtg	cctgggggtg	gggcacaggc	gggcagcact	gagggaccct	gccctgcccc	2940
tccccag	ctc	tttccccatc	tcacccagca	gccactgcct	ggtgggcctg	gctaagggtg	3000
tgtgctg	gctc	cttaaaccac	tgctccccag	aacccaaggc	aggccacctc	caacctgtgg	3060
gatgtcg	ıtca	ggattggaac	tattctgtac	ctactggctt	tgggcttaaa	ttttgtcttc	3120
tgaattt	gaa	tgcttgaccc	caggaaggag	gagcaggtgt	ggggctaggt	acctggactt	3180
cgcagtt	tag	aacaagctct	gggccgggcc	gggccaggcc	aggcctaggg	agccaaggcc	3240
tagctgc	tgc	ttccttcttt	tggttttgtg	ttacaggagt	ttctggagag	tttcagatga	3300
ttattta	att	tgtaaatatt	gtataaattt	taatagctta	aattgtatat	acagctcaat	3360
aaaaact	tgc	attaaaaaaa	aaaaaaa				3388
<211> <212> <213>	3 19 DNA Homo	o sapiens					
cgttcct	ggt	acgccgtca					19
<211> <212> <213>		musculus					
<400> 4 gaaatggtga ctggtgcta 19							
<211> <212>	5 19 DNA Arti	ficial sequ	uence				
<220> <223>	synt	hetic DNA					
	5 tcc	aggagcgca					19
<210>	6 20 DNA						_,
<220>		hetic DNA					
<400> 6 gcgccgccgg aagtgaggtg 2						20	

<210> 7 <211> 20 <212> DNA <213> Artificial

<220> <223> synthetic DNA

<400> 7 cacctcactt ccggcggcgc

20